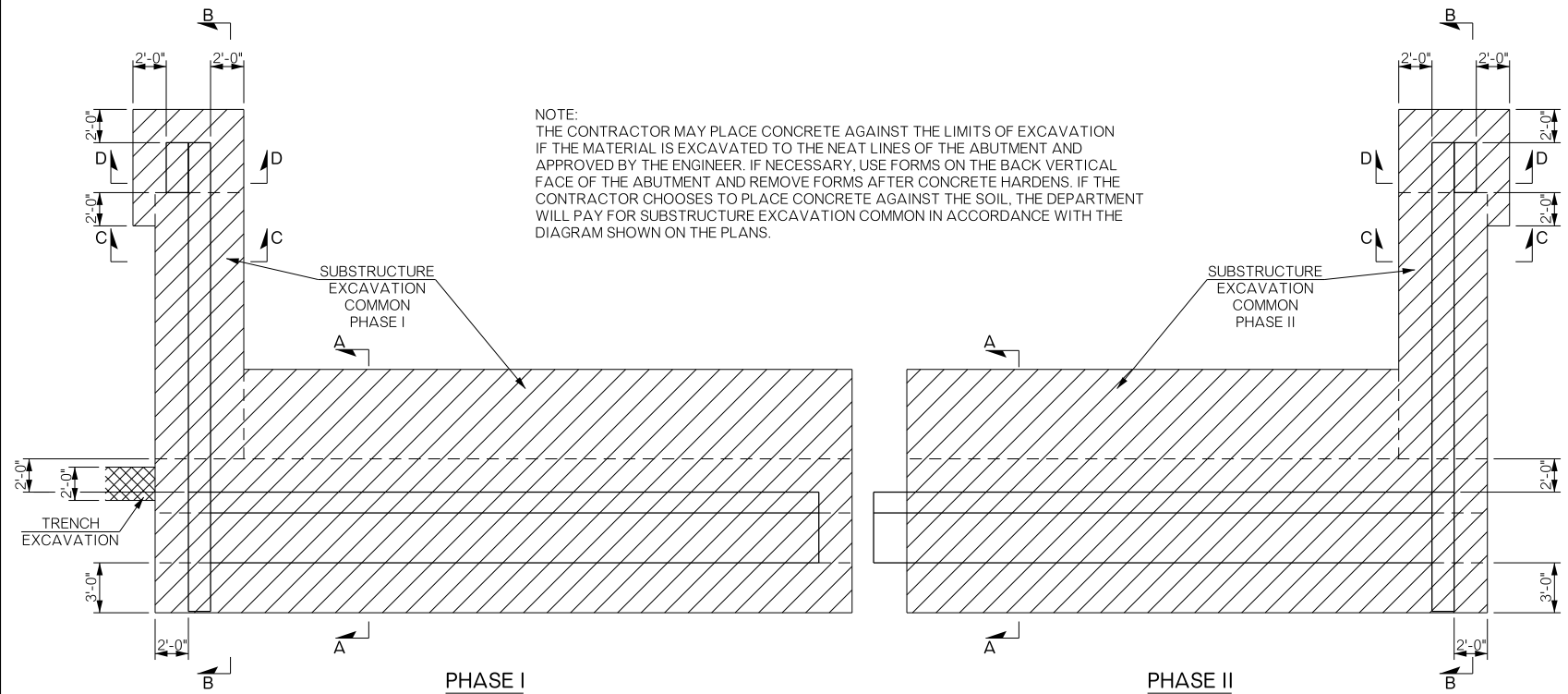


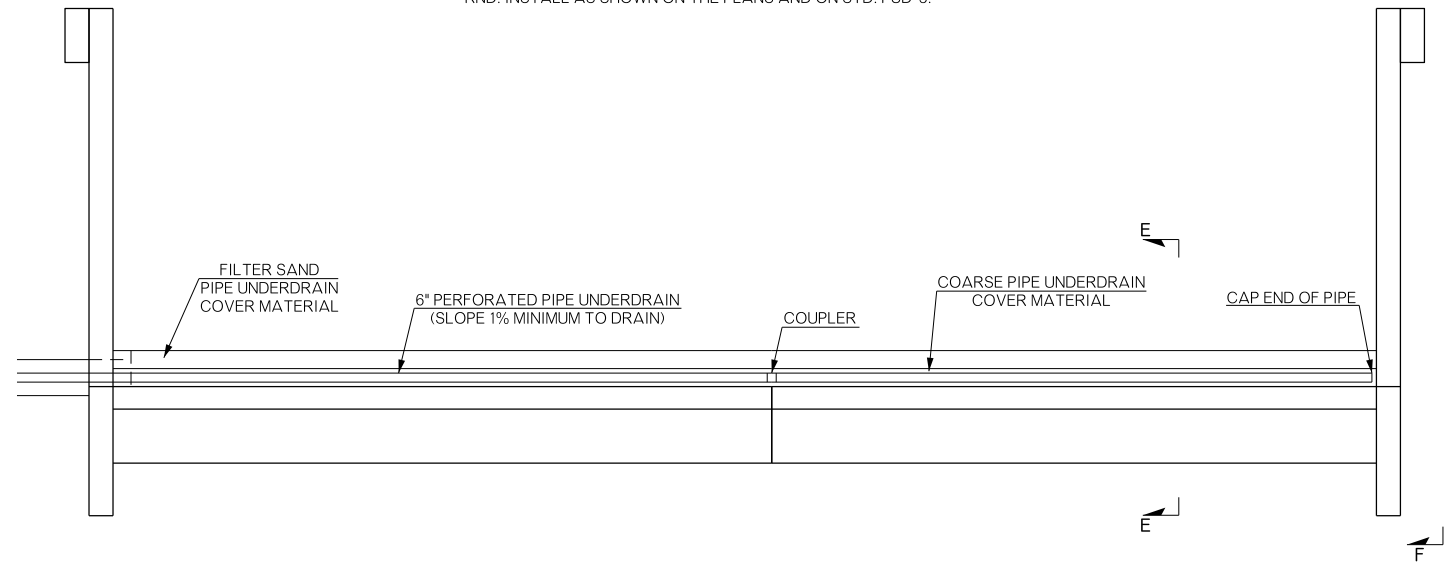
REVISIONS		
REV. NO.	DESCRIPTION	DATE



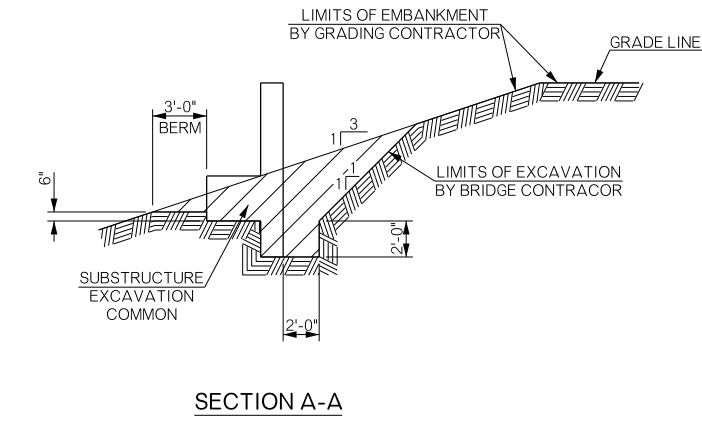
**EXCAVATION PLAN**



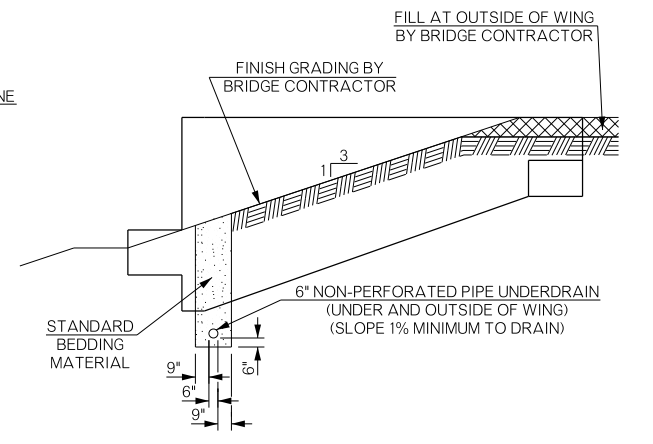
NOTE:  
THE ENGINEER MAY ADJUST THE EXTENT, LOCATION AND DEPTH OF 6" NON-PERFORATED PIPE UNDERDRAIN DURING CONSTRUCTION. INCLUDE THE COST OF PIPE UNDERDRAIN COVER MATERIAL (BOTH FINE SAND AND COARSE), FILTER FABRIC, TRENCH EXCAVATION, STANDARD BEDDING MATERIAL, AND EQUIPMENT AND LABOR FOR THEIR INSTALLATION IN THE CONTRACT UNIT PRICE OF 6" PERFORATED PIPE UNDERDRAIN ROUND AND 6" NON-PERF. PIPE UNDERDRAIN RND. INSTALL AS SHOWN ON THE PLANS AND ON STD. PUD-3.



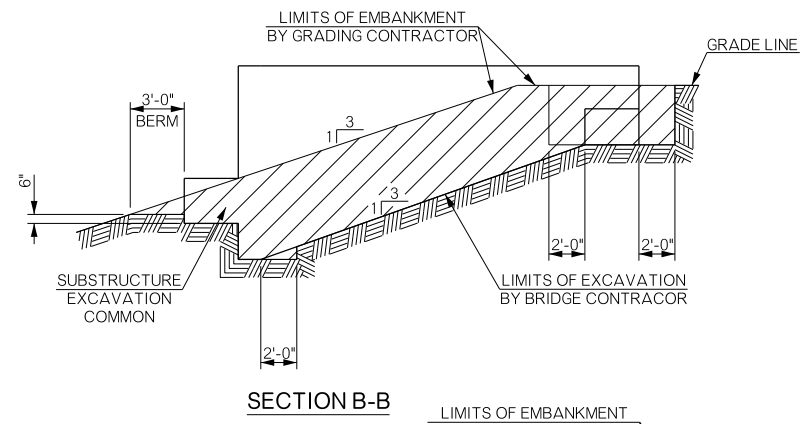
**PIPE UNDERDRAIN PLAN**



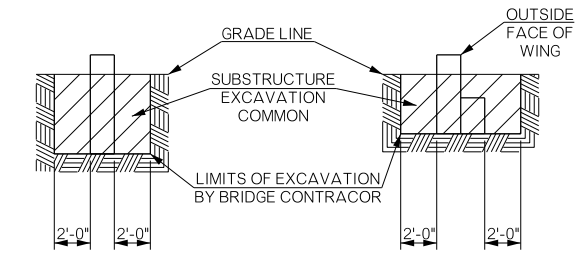
**SECTION A-A**



**SECTION F-F**

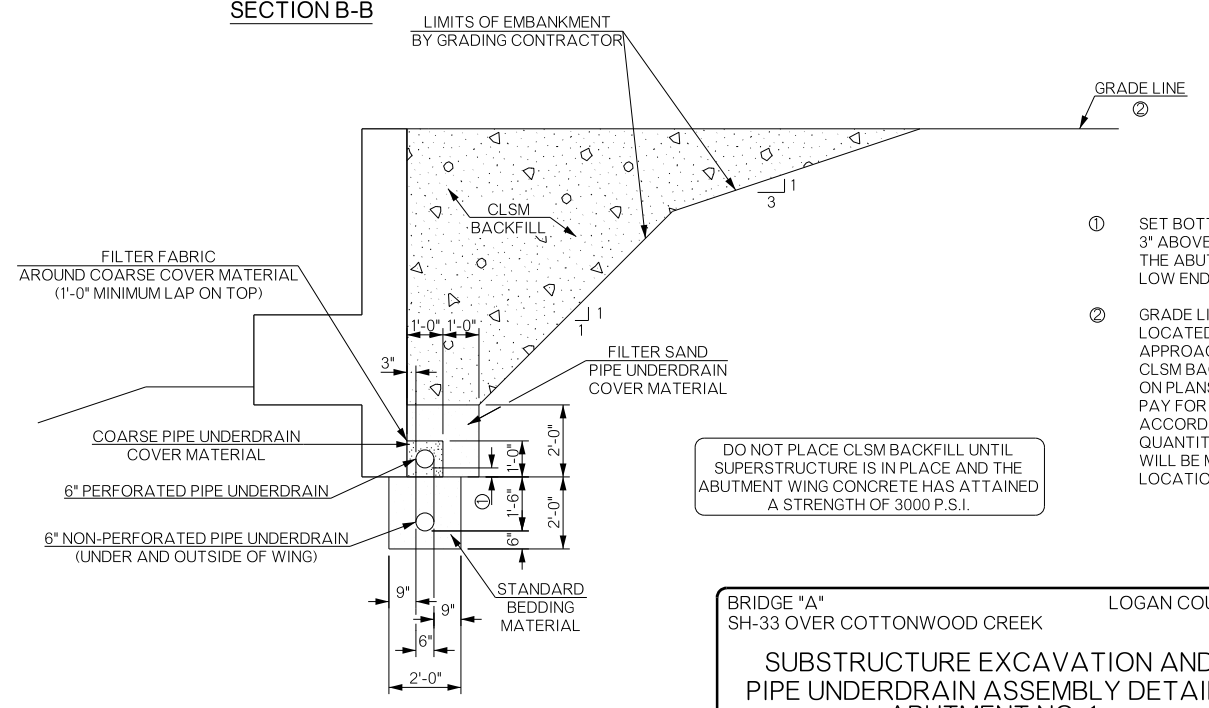


**SECTION B-B**



**SECTION C-C**

**SECTION D-D**



**SECTION E-E**

- ① SET BOTTOM OF PIPE 3" ABOVE THE BOTTOM OF THE ABUTMENT AT THE LOW END.
- ② GRADE LINE ASSUMED TO BE LOCATED 12" BELOW BOTTOM OF APPROACH SLAB FOR COMPUTING CLSM BACKFILL QUANTITY SHOWN ON PLANS. THE DEPARTMENT WILL PAY FOR CLSM BACKFILL IN ACCORDANCE WITH THE PLAN QUANTITY AND NO ADJUSTMENT WILL BE MADE FOR ACTUAL LOCATION OF GRADE LINE.

DO NOT PLACE CLSM BACKFILL UNTIL SUPERSTRUCTURE IS IN PLACE AND THE ABUTMENT WING CONCRETE HAS ATTAINED A STRENGTH OF 3000 P.S.I.

BRIDGE "A" SH-33 OVER COTTONWOOD CREEK	LOGAN COUNTY	Design	GT	11/15
SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN ASSEMBLY DETAILS ABUTMENT NO. 1		Detail	TIS	2/16
		Check	JCH	XX
STATE OF OKLAHOMA		Squad:	PEARSON	
DEPARTMENT OF TRANSPORTATION		Engr:	HERNANDEZ	
JOBPIECE NO. 21860(04)	SHEET NO. B014			